

2009 DOE SOLID-STATE LIGHTING MANUFACTURING WORKSHOP

April 21–22, 2009
Hyatt Fair Lakes
Fairfax, VA

Preliminary Workshop Agenda (March 27, 2009)

DAY 1 Tuesday, April 21

PLENARY SESSION		
7:30 a.m.	<i>Registration and Continental Breakfast</i>	
8:00	Welcome and Introduction to DOE SSL Program <i>James Brodrick, U.S. Department of Energy</i>	
8:30	Workshop Objectives and Process <i>Fred Welsh, Radcliffe Advisors</i>	
9:00	Keynote: SSL Worldwide Manufacturing Status & Trends <i>Robert Steele, Strategies Unlimited</i>	
10:00	<i>Break</i>	
10:30	OLED Lighting—Completing the SSL Portfolio <i>Mike Hack, Universal Display Corporation</i>	
11:15	An Investor's Perspective on SSL Manufacturing <i>John Dexheimer, First Analysis Equity</i>	
12:00 p.m.	Working Lunch <i>Hot Topics: Lunch Table Discussions on Key Challenges Facing Manufacturers of LEDs and OLEDs</i>	
	OLED TRACK	LED TRACK
1:00–3:00	Introduction to OLED Track <i>Norman Bardsley, Bardsley Consulting</i> Global Manufacturing Status and Supply Chain for OLEDs <i>Barry Young, OLED Association</i> Economics of OLED Lighting <i>William Feehery, DuPont OLEDs</i> OLED Architectures & Implications for Manufacturing <i>Yuan-Sheng Tyan, Eastman Kodak Company</i> OLED Luminaires—What's Involved? <i>Peter Ngai, Acuity Brands</i>	Introduction to LED Track <i>Steve Bland, SB Consulting</i> Today's LED Supply Chain <i>Stanley Myers, SEMI</i> Costs of LED Chip Manufacturing <i>Jeff Perkins, Yole Développement</i> LED Device Manufacturing Issues <i>Mike Krames, Philips Lumileds</i> LED Luminaire Manufacturing Issues <i>Speaker TBD, Cree LED Lighting Solutions</i>

3:00	<u>Break</u>	
3:30–5:00	Charge to OLED Breakout Sessions <i>Norman Bardsley, Bardsley Consulting</i> OLED Breakout Session 1: Paving the Way to an OLED Manufacturing Roadmap	Charge to LED Breakout Sessions <i>Steve Bland, SB Consulting</i> LED Breakout Session 1: Paving the Way to an LED Manufacturing Roadmap
5:00–7:00	<u>Evening Reception</u>	

DAY 2
Wednesday, April 22

PLENARY SESSION		
7:30 a.m.	<u>Continental Breakfast</u>	
8:00	Workshop Objectives and Process for Day 2 <i>Fred Welsh, Radcliffe Advisors</i>	
8:15	Contract Manufacturing for SSL <i>Robert Harmon, Jabil Circuit, Inc.</i>	
	OLED TRACK	LED TRACK
9:00–10:00	Deposition Equipment and Processes <i>Uwe Hoffman/Nag Patibandla, Applied Materials GmbH</i> Roll-to-Roll Solution Processing <i>Anil Duggal, GE Global Research</i>	Substrate Matters <i>Keith Evans, Kyma Technologies, Inc.</i> Epiwafer Equipment and Processing <i>Sudhakar Raman, Veeco Instruments, Inc.</i>
10:00	<u>Break</u>	
10:30–11:30	Critical Materials <i>Norman Bardsley, Bardsley Consulting</i> Breakout Session 2: Recommendations for OLED Manufacturing	Phosphor Materials Manufacturing <i>Emil Radkov, GE Lumination</i> Economics of LED Lighting <i>Eric Haugaard, BetaLED</i>
11:30	Working Lunch <i>Quick Recap of Hot Topics, Discussion</i>	
12:30–1:30 p.m.	Breakout Session 2 (continued): Recommendations for OLED Manufacturing	Breakout Session 2: Recommendations for LED Manufacturing
PLENARY SESSION		
1:30	Recommendation Summaries from Each Group & Discussion <i>OLED & LED Spokespersons</i>	
3:00	Wrap-Up & Adjourn <i>James Brodrick, U.S. Department of Energy</i>	